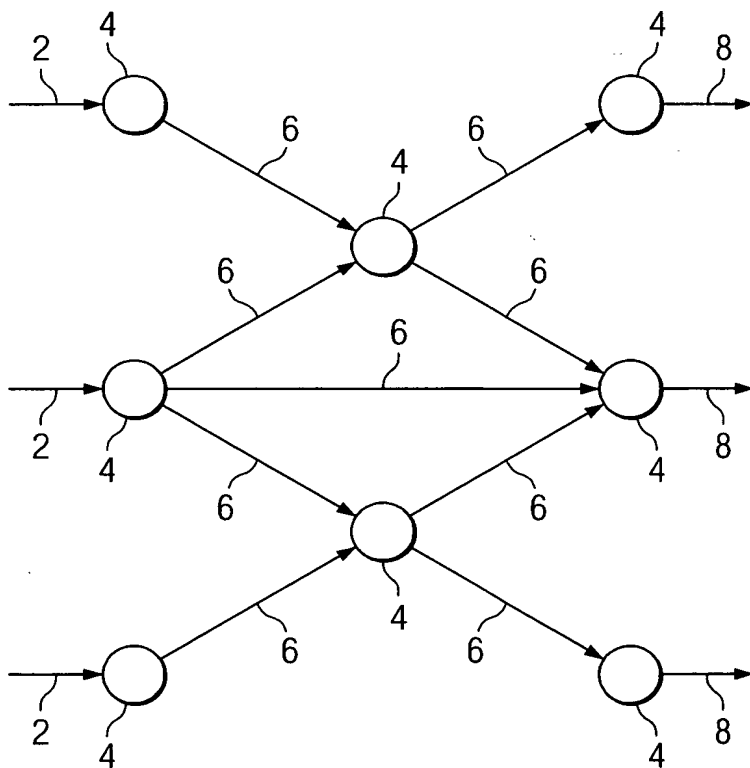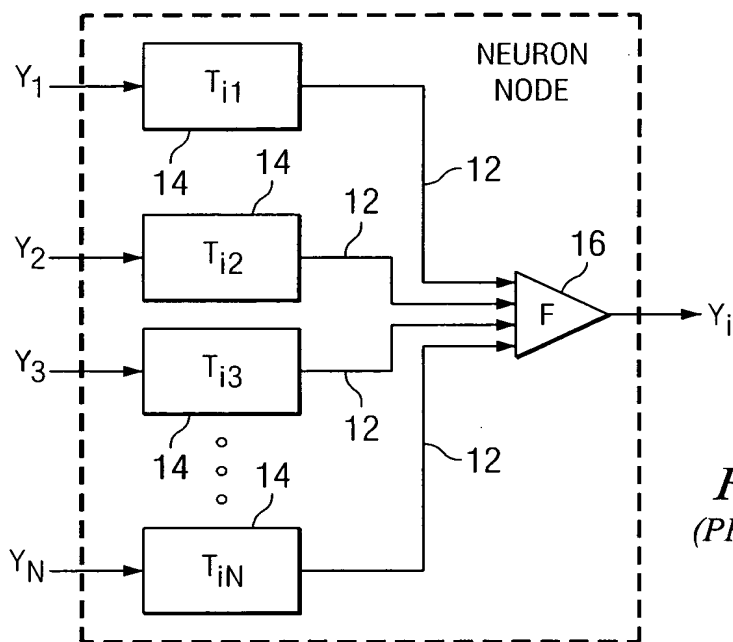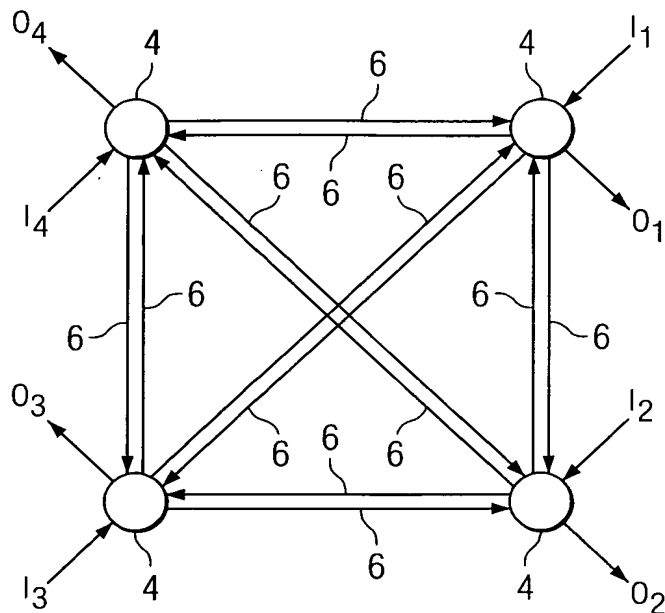*FIG. 1*
(PRIOR ART)
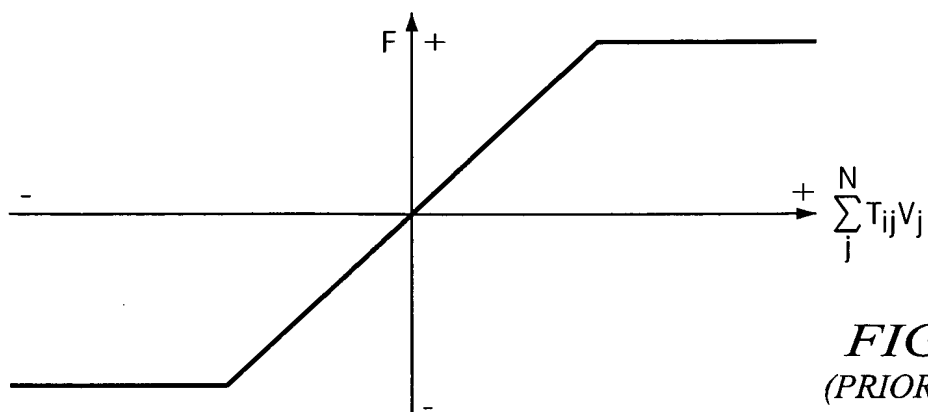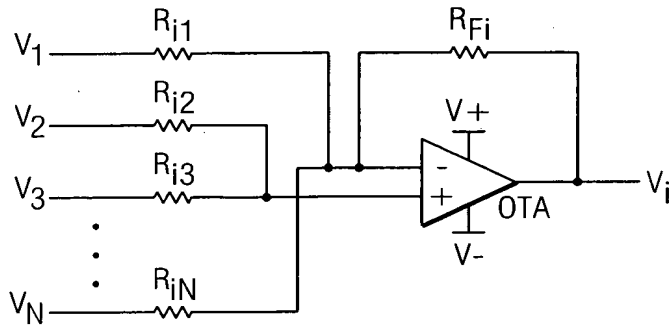
FIG. 2
(PRIOR ART)

FIG. 3
(PRIOR ART)

FIG. 4
(PRIOR ART)
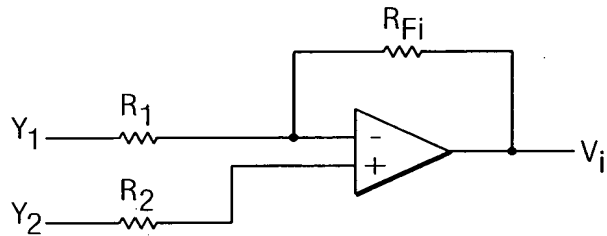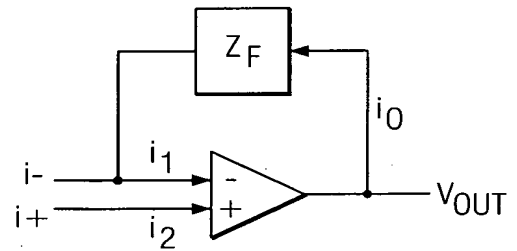

FIG. 5
(PRIOR ART)
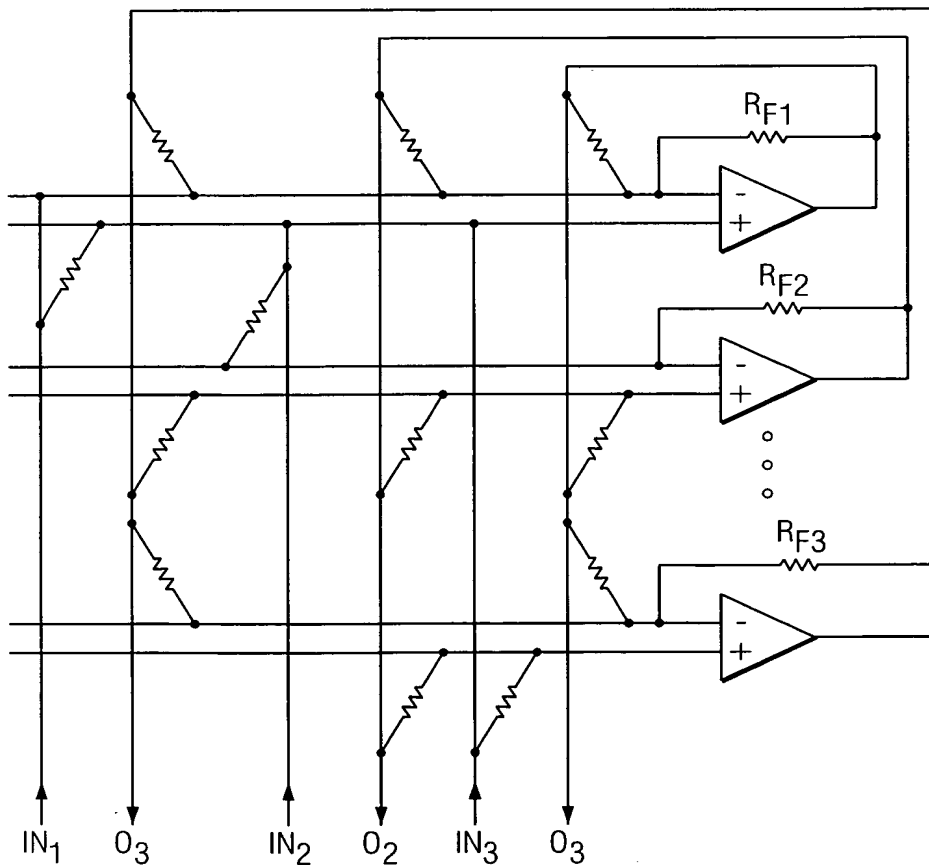
V_1 — R_{i1}

V_2 — R_{i2}

V_3 — R_{i3}

V_N — R_{iN}

R_{Fi}

$V+$

$V-$

OTA

V_i

FIG. 6
(PRIOR ART)

Z_F

i_0

$i-$ i_1

$i+$ i_2

V_{OUT}

FIG. 7
(PRIOR ART)

R_{Fi}

Y_1 — R_1

Y_2 — R_2

V_i

FIG. 8
(PRIOR ART)

R_{F1}

R_{F2}

R_{F3}

IN_1 O_3 IN_2 O_2 IN_3 O_3

FIG. 9
(PRIOR ART)

702 — INPUT DATA

704 — EXTRACT FEATURES

710 — SELECT FEATURES

CALCULATE TARGET STATISTICS AND DATA

714

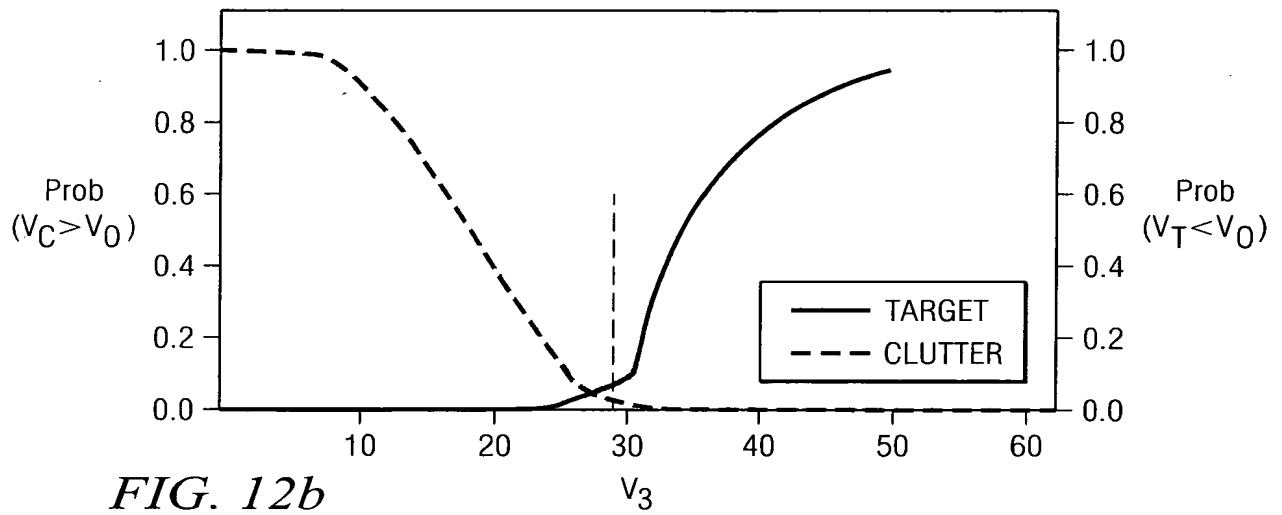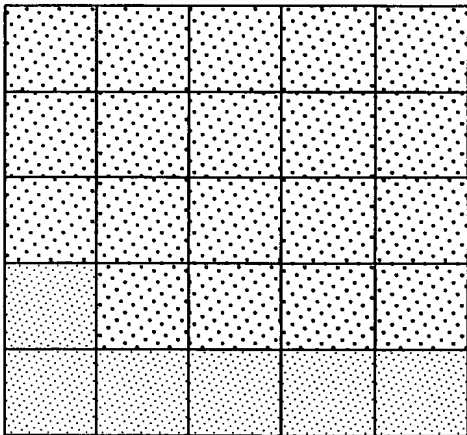706 — CLASSIFICATION

DECISION CRITERIA
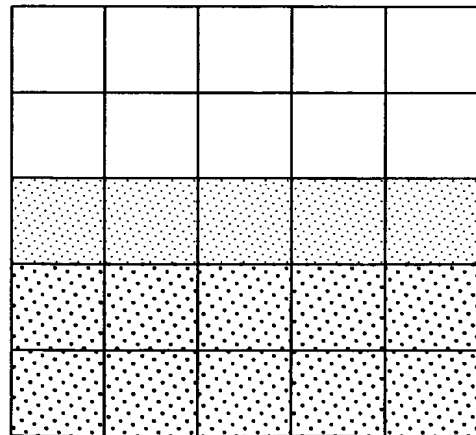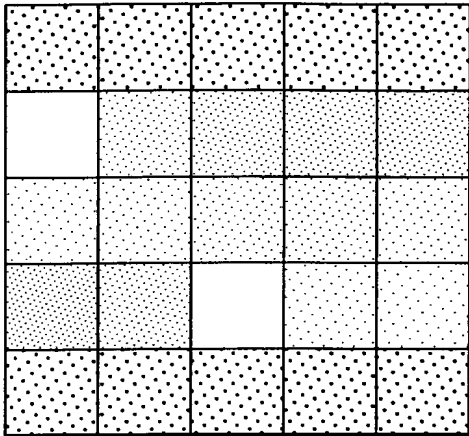
712

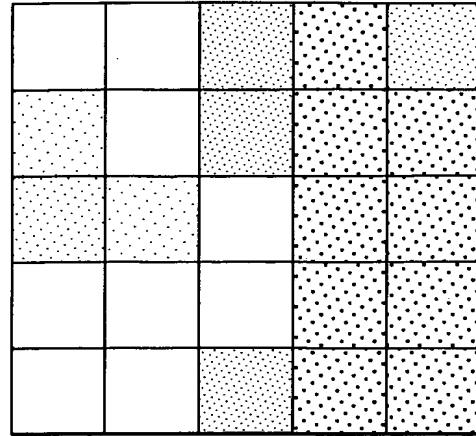708 — OUTPUT TARGET INFORMATION

FIG. 10
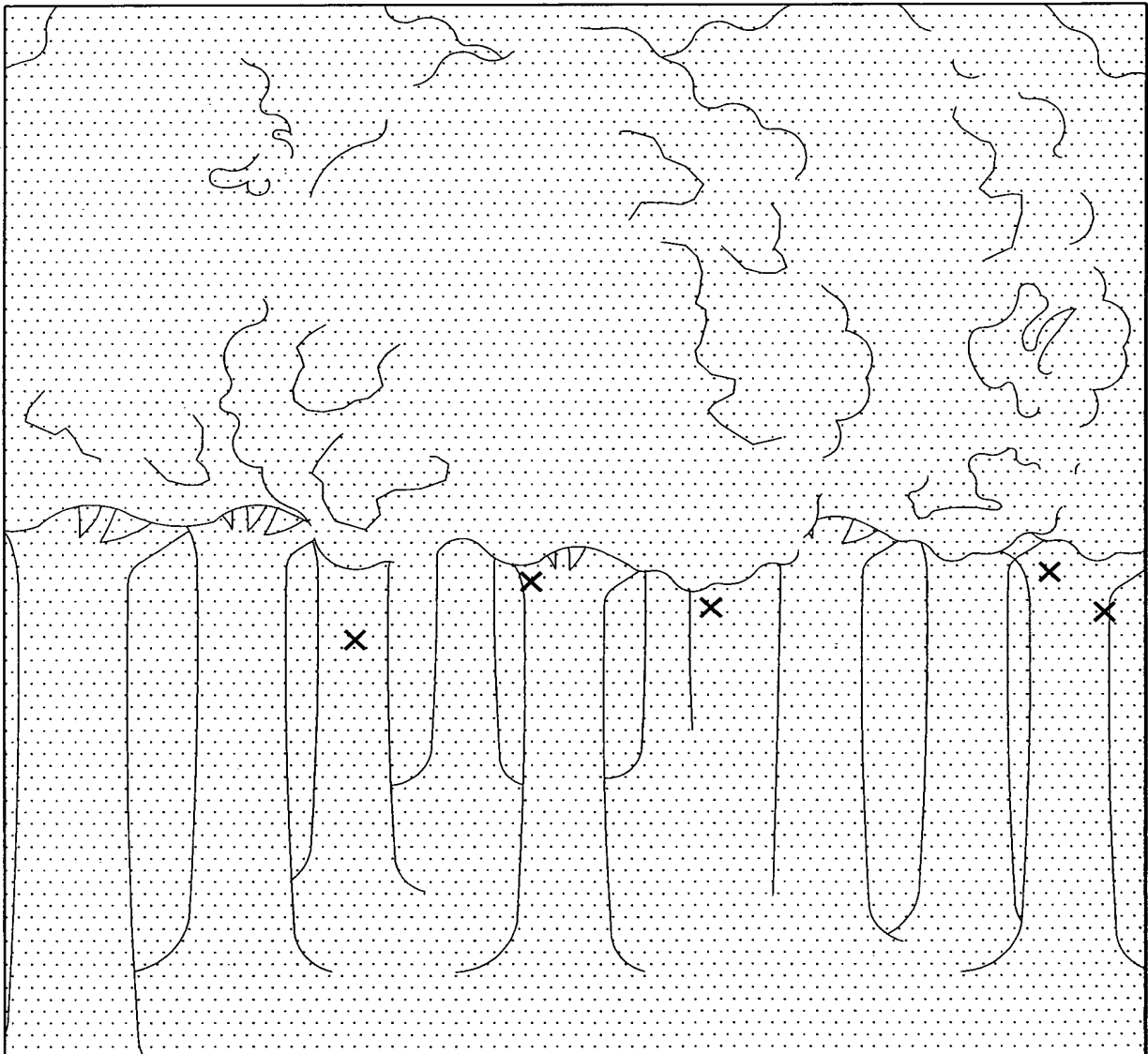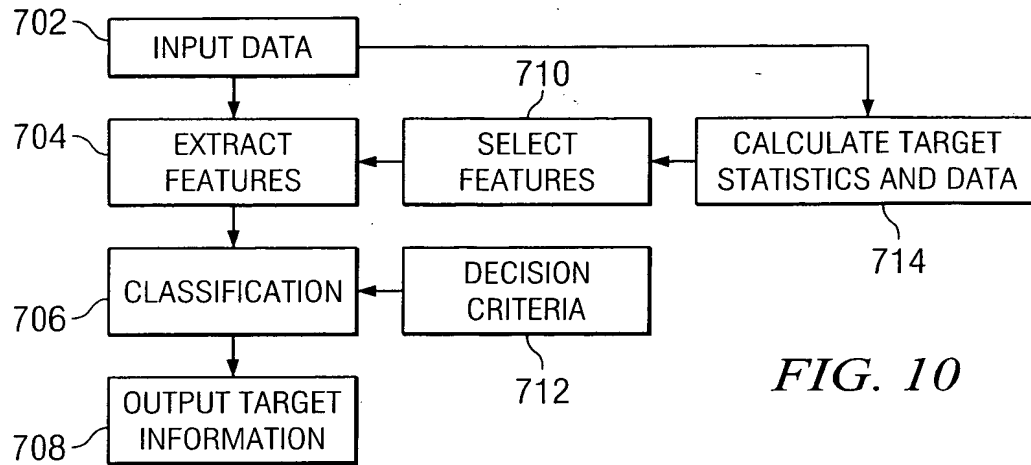
FIG. 11
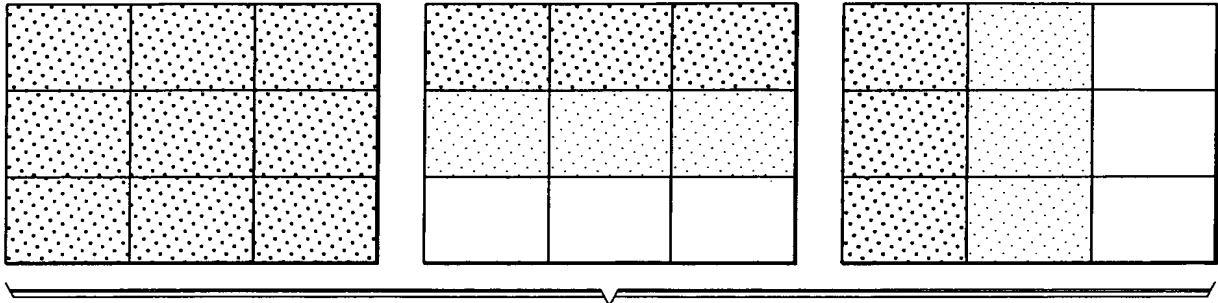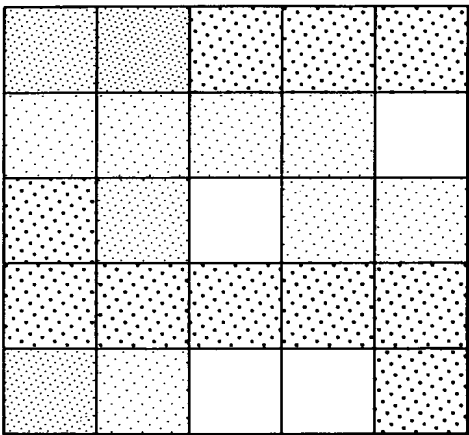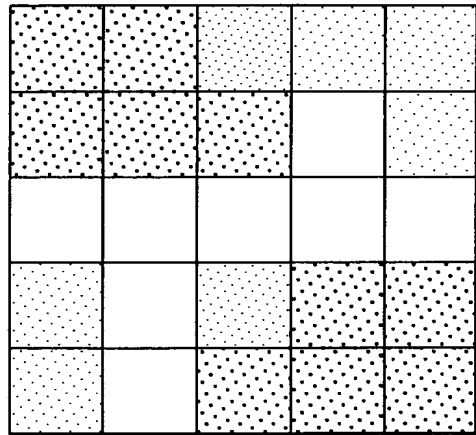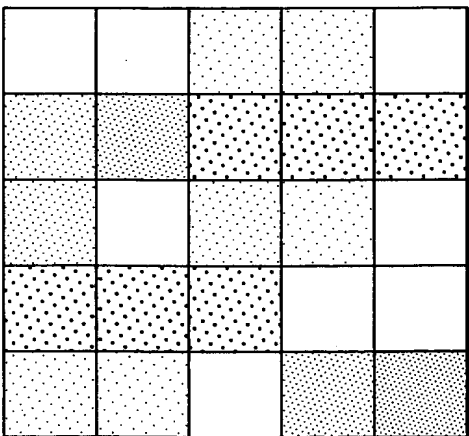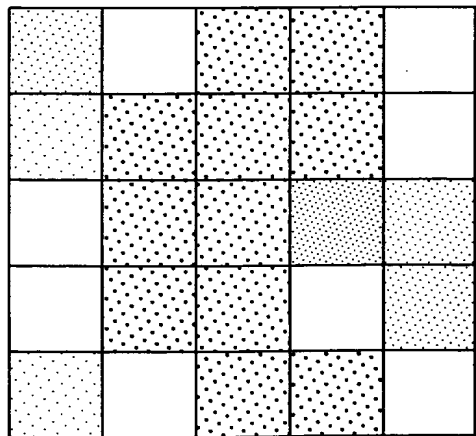
FIG. 12a

FIG. 12b

FIG. 13a

FIG. 13b

FIG. 13c

FIG. 13d

FIG. 13e

FIG. 13f

FIG. 13g

FIG. 13h

Prob $(V_C>V_O)$ Prob $(V_T<V_O)$

TARGET
CLUTTER

V_4

FIG. 14

Prob $(V_C>V_O)$ Prob $(V_T<V_O)$

TARGET
CLUTTER

V_4/V_5

FIG. 15a

Prob $(V_C>V_O)$ Prob $(V_T<V_O)$

TARGET
CLUTTER

V_4

FIG. 15b